

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 1 0003077W001	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/JP2004/018433	International filing date (day/month/year) 03/12/2004	(Earliest) Priority Date (day/month/year) 05/12/2003
Applicant CANON KABUSHIKI KAISHA		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

DISPLAY APPARATUS WITH INPUT PEN FOR WEARABLE PC

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/018433

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

An electrophoretic display apparatus or a ferroelectric liquid crystal display apparatus includes a display panel 10 including<An electrophoretic display apparatus includes a display panel 10 including<i> An electrophoretic display apparatus includes a display panel 10 including<i> <An electrophoretic display apparatus includes a display panel 10 including<i> </i>gate line electrodes 33 and source line electrodes 34 arranged in a matrix to provide a multiplicity of pixels at respective intersections of these electrodes, a gate line drive circuit 213 for driving the gate line electrodes 33, and a source line drive circuit 212 for driving the source line electrodes 34. When a display state of the display panel 10 is partially rewritten, a reference voltage of a common electrode 37 is switched to a negative voltage Vcom on the basis of 0 V which is a reference voltage at the time of multi-gradation level display. As a result, the display apparatus can be driven at a high voltage to permit high-speed rewriting of the display panel, so that a display response characteristic in writing of white/black binary data or black writing by pen input is improved.

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G09G3/34 G06F3/033 G09G3/36

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F G09G G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	-/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

° Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

11 March 2005

Date of mailing of the international search report

31/03/2005

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Morris, D

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 601 837 A (SHARP KABUSHIKI KAISHA) 15 June 1994 (1994-06-15)	1-4,6,8
Y	column 9, line 49 - column 12, line 15; figure 1 column 14, line 6 - column 14, line 41; figure 3 column 16, line 11 - column 17, line 17; figure 5b column 20, line 12 - column 21, line 22; figures 5b,6 column 23, line 41 - column 24, line 44; figure 8 column 26, line 2 - column 29, line 6; figure 9 column 30, line 12 - column 31, line 21; figure 10 column 34, line 3 - column 35, line 32; figure 12 column 39, line 38 - column 40, line 56; figure 16	5,7,9
Y	----- US 5 461 400 A (ISHII ET AL) 24 October 1995 (1995-10-24)	5,9
A	column 11, line 54 - column 13, line 33; figures 1,7,9,10	1-4,8
Y	----- US 2003/011869 A1 (MATSUDA YOJIRO ET AL) 16 January 2003 (2003-01-16) paragraph '0091! - paragraph '0105!; figures 1-10 paragraph '0118! - paragraph '0162!; figures 3,4,12,13 paragraph '0170! - paragraph '0188!; figures 14,16-18	7
A	----- WO 03/079176 A (KONINKLIJKE PHILIPS ELECTRONICS N.V; JOHNSON, MARK, T; DESTURA, GALILE) 25 September 2003 (2003-09-25) page 5, line 18 - page 6, line 26; figures 1-6 page 9, line 28 - page 10, line 6	1,9

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/018433

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			WO 03079176 A2	25-09-2003